BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARYANAPURA DIVISION, KODIGEHALLI SUB DIVISION

Name of the work : **Improvements of Roads and Drains in UAS layout temple and cross roads in jakkur ward no .07 of byatarayanapura Kodigehalli sub division.**

Estimate cost Rs. 50.00 lakhs

Job code no. 007-14-000115

P code P2363

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work : Detailed Estimate for the Improvements of Roads and Drains in UAS layout temple and cross roads in jakkur ward no .07 of byatarayanapura Kodigehalli sub division

					Estimate cost				5000000
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB M300-2 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.MORTH Chapter 3.						cum		
	.(P.NO.149,I.NO.19.1 of								
	For drains								
	UAS layout temple road	cum	2	160.00	0.45	0.60	86.40		
	temple cross road		2	150.00	0.45	0.60	81.00		
	Temple main road		2	180.00	0.45	0.60	97.20		
			2	200.00	0.45	0.60	108.00		
	sub cross roads		4	167.00	0.45	0.60	180.36		
	For Burm cutting								
			8	150.00	1.00	0.10	120.00		
			4	167.00	1.00	0.10	66.80		
							739.76	65.88	48735.00
	Basic Rate Rs	61.00							
	add 8% A.W Rs	4.88							
	Total Rate Rs	65.88							
2	KSSRB M300-52.1. Scarifiying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 meters completeas per specification . North specification No . 305.4.3(p-159),Item no. 19.58								
	UAS layout temple road	Sqm	1	160.00	8.00		1280.00		
	temple cross road		1	150.00	8.00		1200.00		
	Temple main road		1	180.00	8.00		1440.00		
			1	200.00	8.00		1600.00		
	sub cross roads		2	167.00	8.00		2672.00		
	Basic rate	15.25					8192.00	16.47	134922.00
	Area Weightage @ 8%	1.22							
	Total	16.47							
3	KSSRB 300-58 Compaction of orginal ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in deppreciion occuring during rolling including cost of all labour ,HOM of machinery complete as per specifications.(P160Item No. 19.64SR 2013-14								
	UAS layout temple road	Sqm	1	160.00	8.00		1280.00		
	temple cross road		1	150.00	8.00		1200.00		
	Temple main road		1	180.00	8.00		1440.00		
			1	200.00	8.00		1600.00		
	sub cross roads		2	167.00	8.00		2672.00		
							8192.00	3.94	32276.00
	Basic Rate Rs	3.65							
	Area Weightage @ 8%	0.29							
	Total	3.94							

4	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform lay[illegible] with paver in sub-base /base course on well prepared surface and compacting with vibratory rolle to achieve the desired density complete as per specifications. (Page No. 170 & 20.18)								
		cum							
	UAS layout temple road		1	160.00	8.00	0.15	192.00		
	temple cross road		1	150.00	8.00	0.15	180.00		
	Temple main road		1	180.00	8.00	0.15	216.00		
			1	200.00	8.00	0.15	240.00		
	sub cross roads		2	167.00	8.00	0.15	400.80		
							1228.80	1121.04	1377534.00
		1038							
		83.04							
		1121							
5	KSRRB 500-6 : Providing and applying primer coat bitumen emulsion of prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/ sqm using MORTH specifications. **(Page No. 175 & Item No. 21.6).**						sqm		
	UAS layout temple road		1	160.00	8.00		1280.00		
	temple cross road		1	150.00	8.00		1200.00		
	Temple main road		1	180.00	8.00		1440.00		
			1	200.00	8.00		1600.00		
	sub cross roads		2	167.00	8.00		2672.00		
							8192.00	44.28	362742.00
	Basic Rate Rs	41.00							
	add 8% A.W Rs	3.28							
	Total Rate Rs	44.28							
6	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor conrol to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects complete as per specifications. 25-30 mm compacted thickness with 5% bitumen 60/70 grade using 40-60HMP (Grading II) (Page no. 178 item no. 21.20.4)						cum		
	UAS layout temple road		1	160.00	8.00	0.030	38.40		
	temple cross road		1	150.00	8.00	0.030	36.00		
	Temple main road		1	180.00	8.00	0.030	43.20		
			1	200.00	8.00	0.030	48.00		
	sub cross roads		2	167.00	8.00	0.030	80.16		
							245.76	9981.36	**2453019.00**
	Basic Rate Rs	9242							
	add 8% A.W Rs	739.36							
	Total Rate Rs	9981.4							

7	Lead of dispoal of debris shall be payable at charge rates by mechanical means including loading and unploding from 0.00to5.00km (page No.141)							cum	
	Basic rate for haulage of materials as per item no 17.4 page 141								
	Average weight of earth 1.28		QTY VIDE ITEM NO 1				739.76	72.71	53788.00
	Basic Tate Lead charges upto 2.00 kms	62.2							
	2x1.28x2=	5.12							
	Loading and unloading	67.32							
	Average weight of earth 1.28 tone/kg for 6x1.20x2=12	5.39							
		72.71							
									4463016
8	KRIDL CHARGES 11%								
									490932
9	Third party inspections charges 1%								
									44630
10	Miscelleneous & Rounding off								1422
							Totals RS		**5000000**
				(Rupees : Fifty Lakhs only)					

CERTIFICATE

1 . The work spot has been inspected me and the work is found to be necessary.
2. The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2013-14
3. The provisions made in the estimate are quite necessary and adequate
4. The area comes with in the BBMP limits

Junior Engineer
ward No 7

Assistant Executive Engineer,
Kodigehalli Sub Division,
BBMP, Bangalore.

20/6/2014
Executive Engineer
Byatarayanapura Division
BBMP, Bangalore

Technical Sanction for Rs. 50.00 lakh
Fifty laechs only
is accorded under head P 23.63
registered as CE No. No: 18 Dt: 26-06-14 Subject
to Conditions contained in enclosed memo
No. 18/14-15 Dt. 26.06.14
AE/JE TA SE (BTP) CE (BTP)

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00
Rupees Fifty lakhs only
Under
Registered as EE ( ) No 9
Subject to conditions contained in
enclosed memo EE ( ) No /9/
Dt Estimate A/S accorded
Addl Cmr (Z) No AS/988/14-15
dated 20-5-2014 Rs 50.00 lakhs

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92